



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

RBW6521A00138-W142AH-3T-9

Job Sheet 199205



Part No: RBW6521A00138-W142AH-3T-9 Job Qty: 4 pcs *582*

Part Name: Spanner Socket



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 8/14/19

Job Tracking No:

Due Date: 9/13/19

Created By: Marie Lajeunesse

Type: SOLD

Description:

Note: DWG RBW6521A00138-W142AH-3T REV 5 IPP Rev. A 19.04.04 New issue DP Verify DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
115	NV5000 - 1	4 pcs	9/13/19	9/13/19	1.00	1.33	NV5000 - 1		
							NV5000 - 2		<i>OK/ALA.</i>
120	QC 2	4 pcs	9/13/19	9/13/19	0.00	0.00	QC 2 - 1		
							QC 2 - 12		
							QC 2 - 14		<i>OK/ALA.</i>
							QC 2 - 17		
							QC 2 - 19		
							QC 2 - 2		
							QC 2 - 20		
							QC 2 - 22		
							QC 2 - 23		
							QC 2 - 25		
							QC 2 - 32		
							QC 2 - 33		
							QC 2 - 35		
							QC 2 - 39		
							QC 2 - 4		
							QC 2 - 40		
							QC 2 - 44		
							QC 2 - 45		
							QC 2 - 48		
							QC 2 - 49		
							QC 2 - 50		
							QC 2 - 51		
							QC 2 - 52		
							QC 2 - 57		
							QC 2 - 62		
							QC 2 - 63		
							QC 2 - 8		
							QC 2 - 66		
							QC 2 - 64		

19-08-17

19-08-17



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL.: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Container No: S206561



Part: RBW6521A00138 - W142AH - 3T - 9

Job No: 199205

Serial No/Batch: S206561

Revision: 5

Inspector:

Exp Date:

Instructions:

Date: 08/19/19

Plex 8/14/19 12:57 PM Dart.lajeunesse.marie

[Dart Hawkesbury] Job Sheet - Lajeunesse, Marie

130 QC 8	4 pcs	9/13/19	0.00 0.00	QC 2 - 65	
				QC 2 - 5	
				QC 2 - 71	
				QC 2 - 73	
				QC 2 - 69	
				QC 8 - 12	
				QC 8 - 14	
				QC 8 - 17	
				QC 8 - 20	
				QC 8 - 25	
				QC 8 - 3	
				QC 8 - 32	
				QC 8 - 33	
				QC 8 - 35	
				QC 8 - 39	
				QC 8 - 4	
				QC 8 - 44	
				QC 8 - 45	
				QC 8 - 49	
				QC 8 - 58	
				QC 8 - 8	See 19-08-21
				QC 8 - 9	
				QC 8 - 68	
				QC 8 - 67	
				QC 8 - 1 (A)	
				QC 8 - 47	
				QC 8 - 40	
				QC 8 - 52	
				QC 8 - 23	
				QC 8 - 57	
140 Outsource - 12 - Black Oxide	4 pcs	9/13/19		GRO002-VC	See 20A-08-26
150 Packaging 2-1 - Receive - B4B	4 pcs 5 pcs	9/13/19	0.00 0.00	Packaging 2 - 1 - B4B	
				Packaging 2 - 2 - B4B	
				Packaging 2 - 3 - B4B	
				Packaging 2 - 5 - B4B	See SEP 03 2019
				Packaging 2 - 4 - B4B	
				Packaging 2 - 6 - B4B	
				Packaging 2 - 7 - B4B	
				Packaging 2 - 8 - B4B	
				Packaging 2 - 9 - B4B	
				Packaging 2 - 10 - B4B	
				Packaging 2 - 11 - B4B	
				Packaging 2 - 12 - B4B	
				Packaging 2 - 13 - B4B	
				Packaging 2 - 14 - B4B	
				Packaging 2 - 15 - B4B	
				Packaging 2 - 16 - B4B	
				Packaging 2 - 17 - B4B	
				Packaging 2 - 18 - B4B	
				Packaging 2 - 19 - B4B	
				Packaging 2 - 20 - B4B	
				Packaging 2 - 21 - B4B	
				Packaging 2 - 22 - B4B	
				Packaging 2 - 23 - B4B	
				Packaging 2 - 24 - B4B	
				Packaging 2 - 25 - B4B	
				Packaging 2 - 26 - B4B	
				Packaging 2 - 27 - B4B	
				Packaging 2 - 28 - B4B	

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[Dart Hawkesbury] Job Sheet - Lajeunesse, Marie

				Packaging 2 - 29 - B4B	
				Packaging 2 - 30 - B4B	
				Packaging 2 - 31 - B4B	
				Packaging 2 - 32 - B4B	
				Packaging 2 - 33 - B4B	
				Packaging 2 - 34 - B4B	
				Packaging 2 - 35 - B4B	
				Packaging 2 - 36 - B4B	
160	QC 6	4 pcs	9/13/19	0.00 0.00	QC 6 - 9
					QC 6 - 68
					QC 6 - 61
					QC 6 - 40
					QC 6 - 81
170	Packaging 3-1 - Stock - B4B	4 pcs	9/13/19	0.00 0.00	Packaging 3 - 1 - B4B
					Packaging 3 - 2 - B4B
					Packaging 3 - 3 - B4B
					Packaging 3 - 4 - B4B
					Packaging 3 - 5 - B4B
					Packaging 3 - 6 - B4B
					Packaging 3 - 7 - B4B
					Packaging 3 - 8 - B4B
					Packaging 3 - 9 - B4B
					Packaging 3 - 10 - B4B
					Packaging 3 - 11 - B4B
					Packaging 3 - 12 - B4B
					Packaging 3 - 13 - B4B
					Packaging 3 - 14 - B4B
					Packaging 3 - 15 - B4B
					Packaging 3 - 16 - B4B
					Packaging 3 - 17 - B4B
					Packaging 3 - 18 - B4B
					Packaging 3 - 19 - B4B
					Packaging 3 - 20 - B4B
					Packaging 3 - 21 - B4B
					Packaging 3 - 22 - B4B
					Packaging 3 - 23 - B4B
					Packaging 3 - 24 - B4B
					Packaging 3 - 25 - B4B
					Packaging 3 - 26 - B4B
					Packaging 3 - 27 - B4B
					Packaging 3 - 28 - B4B
					Packaging 3 - 29 - B4B
					Packaging 3 - 30 - B4B
					Packaging 3 - 31 - B4B
					Packaging 3 - 32 - B4B
					Packaging 3 - 33 - B4B
					Packaging 3 - 34 - B4B
					Packaging 3 - 35 - B4B
					Packaging 3 - 36 - B4B
180	QC 21 - SA	4 pcs	9/13/19	0.00 0.00	QC 21 - SA - 21
					QC 21 - SA - 70

Part Op 115 - 1-Machine as per folio FC921 FOLIO REV: AA DWG REV: 5 2-Debur

Descriptions: 120 - QC2- Inspect parts off machine FAI/FAIB
 130 - QC8- Inspect parts - second check
 140 - -Issue P/O; 44343 -Black oxide finish, MIL-C-13924C Class 1 -Apply thin layer of oil/CPC per MIL-PRF-16173 Grade 3 Class 1 or MIL-c-81309 Type III Or MILL-C23411A or MIL-PRF-81309 and wipe off excess. -Material type; 4140 -Certificate of Conformity is required
 150 - (Receive & Inspect for Damage & Mat'l Certs)
 160 - QC6- All purchased or subcontracted products
 170 - Identify as per dwg & Stock Location: _____
 180 - QC21- Final Inspection - Work Order Release

68-6
19
SVD

DM
21
9-30

GA-106

SEP 05 2019

Job BOM				
Part / Item	Component Name	Quantity	Operation	Container
MT-4140QT-R2.375	AISI 4140 Quenched & Tempered Steel Round Bar 2.375" Dia.	.4320 ft (.108 ea)	115-NV5000 - 1	5050183
Job Allocations				
Operation	Component Part	Required	Inventory	Allocated
115-NV5000 - 1	MT-4140QT-R2.375	0	13	0
Part Specifications				
Specifications could not be found.				

cut
.542"

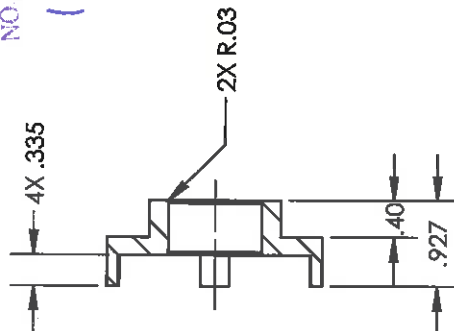
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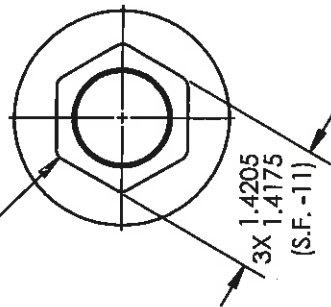
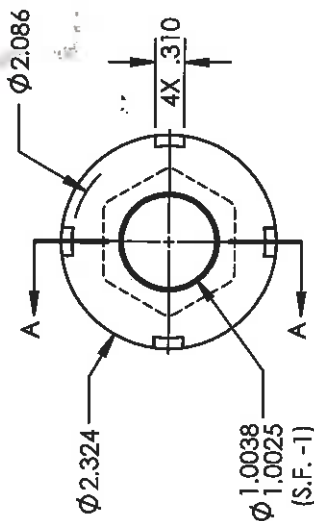
REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
1		-9 ADDED 2X R.03 TO I.D.	10/3/2012	RJC
3	16-0034	-9 CHD DIM WAS 2X 1.4175-1.4205 IS 3X 1.4175-1.4205.	2/15/2016	DPD
4	16-0123	-9 ADDED FINISH SPEC.	8/18/2016	DEW
5	16-0266	-9 CHD DIM WAS Ø1.0038/1.0025 (S.F. -1) WAS 3X 1.4205/1.4175 (S.F. -1) IS 3X 1.4205/1.4175 (S.F. -1), CHD MATERIAL WAS 4140/4142 Q&T IS 4140/4142, ADDED HEAT TREAT R 28-34.	12/6/2016	RJC
				SM



SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO ~~145-25-14~~ 145-25-14
145-25-14
145-25-14



SECTION A-A



DART
AEROSPACE

NUT TORQUE TOOL

TITLE	DWG NO.	REV
	RBW6521A00138-W142AH-3T-9	5
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES FRACTIONS $\pm \frac{1}{16}$ DECIMALS $\pm .01$ ANGLES $\pm 8^\circ$ SURFACES = 125/ $\sqrt{\text{R}}$ 1. BREAK ALL SHARP EDGES 2. DIMENSIONAL LIMITS APPLY 3. AFTER PLATING 4. NO TOLERANCE DIM AND TOL PER ASME Y14.5M-2009		
MAT'L	4140/4142	
TREAT	RC 28-34	
FINISH	BLACK OXIDE	
SPEC	QMSI-6.2.2. B.O. REV'D	
DRAWN BY:	PERRITT	
CHECKED:	CLOUGH	
OPPS APPR:	ANDERSON	
QA APPR:	LINDSAY	
APPROVED:	GILBERT	
SCALE	1:2	
DATE	12/31/2008	
SHEET	6 OF 8	

(9)

SPANNER SOCKET

Entered: _____

Date: _____

WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

Route update only ☐

Job: _____ Part No. _____		DISPOSITION ☐ Rework ☐ Scrap ☐ Use-as-is ☐ Skid-tube ☐ Machining ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Eng. (Non-AW) ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Engineering ☐ Water Jet ☐ Supplier ☐ Quality		DEPARTMENT/PROCESS		MRB (QSI042)	
Date : _____		Sequence #: _____		QTY Affected : _____			
Description Work Order Deviation		Disposition					
Completed By		Lead hand / Supervisor					
QC / QA Coordinator		_____					

Root Cause ☐ Operator ☐ Manufacturing Process ☐ Equip/Tooling ☐ Handling/Preservation ☐ Material ☐ Product Improvement ☐ Process Improvement ☐ Human Factors ☐ Pressure/Forced ☐ Bending ☐ Crushing ☐ Cracks ☐ Crimp/Kink/Ripple/Wave/Twist ☐ Marks/Chatter ☐ Mislabeled Other/Details: _____		FAULT CATEGORY ☐ Contamination ☐ Misaligned/off center ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Incomplete/Unclear Instructions ☐ Drill Holes ☐ Fit/Function ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain Direction ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set/Set-up			
		☐ Positioned Wrong ☐ Outside Tolerance ☐ Drawing ☐ Finish ☐ Part Lost/Missing ☐ Misread			



Dart Aerospace Ltd.
1270 Aberdeen St
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K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

POHB044343



Supplier: GRO002-VC
Group Altech
2455 Halpern
St Laurent
QC
H4S 1N9 Canada
Phone: 514-335-3666
Fax: 514-335-3868

Attention: Grenon, Sylvie

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: POHB044343

PO Date: 8/26/19

Due Date: 9/4/19

Purchase Order

Revision:

Revision Date:

Ship-To Contact: Guerin, Kimberley
Phone: 613-632-5200 Ext: 298
kguerin@dartaero.com

Via: Ground

Pymt Terms: Net 60

Freight Terms:

Special Comments:

E-MAILED
2019-08-28

Items

Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	199205	RBW6521A00138-W142AH-3T-9	Spanner Socket -Issue P/O; -Black oxide finish, MIL-C-13924C Class 1 -Apply thin layer of oil/CPC per MIL-PRF- 16173 Grade 3 Class 1 or MIL-c-81309 Type III Or MILL-C23411A or MIL-PRF-81309 and wipe off excess. -Material type; 4140 -Certificate of Conformity is required	Firmed	-	9/4/19	5 pcs	0 pcs	5 pcs	\$3.6363/pcs DAS 61 9-89	\$18.18
2	198297	RBW6500X01611-W142E-3T-5	Extractor -Issue P/O; -Black oxide finish, MIL-C-13924C Class 1 -Apply thin layer of oil/CPC per MIL-PRF- 16173 Grade 3 Class 1 or MIL-c-81309 Type III Or MILL-C23411A or MIL-PRF-81309 and wipe off excess. -Material type; 4140 -Certificate of Conformity is required	Firmed	-	9/4/19	24 pcs	0 pcs	24 pcs	\$3.6363/pcs	\$87.27

PURCHASE ORDER



Dart Aerospace Ltd.
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Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

POHB044343



Items

Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
3	198350	RBW6500X01611-W142F-3T-1	Press Tool (Outside Processing - Black Oxide) -Issue P/O to GROUPE ALTECH; PO -Black oxide finish, MIL-C-13924C Class 1 -Apply thin layer of oil/CPC per MIL-PRF- 16173 Grade 3 Class 1 or MIL-c-81309 Type III Or MILL-C23411A or MIL-PRF-81309 and wipe off excess. -Material type; 1018 -Certificate of Conformity is required	Firmed	-	9/4/19	4 pcs	0 pcs	4 pcs	\$3.6363/pcs	\$14.55

4X SEP 03 2019

Grand Total: \$120.00

Order Notes

Procurement Quality Clauses
 A005 right of entry
 A012 chemical and physical test report
 A016 personnel qualification
 A017 raw material identification (as applicable)

A022 Apical Processing
 A024 process certifications
 A026 certification of material conformance

A041 quality management system
 A042 dart notification by supplier
 A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 8/28/19 9:08 AM Dart.Guerin.Kimberley



Certificat de Conformité / Certificate of Compliance

(021888-1)

2455, Rue Halpern | Saint-Laurent | Québec | H4S 1N9
 Tel: 514-335-3666 Fax: 514-335-3868
 www.groupaltech.com

Bon de Livraison / Packing Slip

021888 - 1

Livré à / Ship to

DART AEROSPACE LTD

1270 ABERDEEN STREET

HAWKESBURY, ON, K6A1K7

CANADA

Tel.: 613-632-5200 Fax.:

Client / Customer:

DART AEROSPACE LTD

1270 ABERDEEN STREET

HAWKESBURY, ON, K6A1K7

CANADA

BUYER:

Date expédition Ship date		Créé Par Generated By		Transport / No de Compte Courier / Acc. No.		Bon de commande Client Customer Purchase Order No.				
29-Aug-2019		Jigar Patel				POHB044343				
#Ligne Line#	No. de Série / # Pièce Part Number / Line Item Details Job # / Ref #	Description pièce(s)		CATG. U/M	Comm. Ordered	Exp/ Shipped	Quantités / Quantities Qté NC/ NC Qty		Qté Scrap	À venir / Back Order
1	RBW6521A00138-W142AH-3T-9 Rev.	RBW6521A00138-W142AH-3T-9 OXIDE-BLK & OIL [OXIDE BLACK AND OIL] MIL-C-13924C CLASS 1 APPLY THIN LAYER OF OIL/CPC PER MIL-PRF-16173 GRADE 3 CLASS 1 OR MIL -C-81309 TYPE 3 OR MIL-C23411A OR MIL-PRF-81309 AND WIPE OFF EXCESS		OXIDE-BLACK CH	5	5	0		0	0
2	RBW6500X01611-W142E-3T-5 Rev.	RBW6500X01611-W142E-3T-5 OXIDE-BLK & OIL [OXIDE BLACK AND OIL] MIL-C-13924C CLASS 1 APPLY THIN LAYER OF OIL/CPC PER MIL-PRF-16173 GRADE 3 CLASS 1 OR MIL -C-81309 TYPE 3 OR MIL-C23411A OR MIL-PRF-81309 AND WIPE OFF EXCESS		OXIDE-BLACK CH	24	24	0		0	0
3	RBW6500X01611-W142F-3T-1 Rev.	RBW6500X01611-W142F-3T-1 OXIDE-BLK & OIL [OXIDE BLACK AND OIL] MIL-C-13924C CLASS 1 APPLY THIN LAYER OF OIL/CPC PER MIL-PRF-16173 GRADE 3 CLASS 1 OR MIL -C-81309 TYPE 3 OR MIL-C23411A OR MIL-PRF-81309 AND WIPE OFF EXCESS		OXIDE-BLACK CH	4	4	0		0	0

DAS
61
9-89

RECEIVED
SEP 03 2019
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RECEIVED
 SEP 03 2019
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Notes Additionnelles / Additional Notes

Epaisseur réelle
Actual Thickness

Inspecteur Qualité
Quality Inspector

Réçu par
Received By

J. 324

Nous certifions que les pièces énumérées ci-dessus ont été traitées en conformité avec votre commande et vos spécifications et rencontrent les exigences.
 Notre responsabilité financière et légale ne sera pas supérieure au montant de la facture issue.

We hereby certify that the parts listed above have been process in accordance with your purchase order and specifications and are in conformance with your requirements.
 Our financial and legal responsibility will not be higher than the amount of invoice.